

Lesson 4-2 Exponents Video Notes

Video Code: aqe-0402

Video: [Writing a numerical expression with whole numbers using an exponent](#)

Example 1: Write $9 \times 9 \times 9 \times 9 \times 9$ using an exponent.	Example 2: Rewrite the following expression using an exponent. $y \times y \times y \times y \times y \times y \times y \times y \times y$
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Example 3: The exponent 2^3 can also be written as $2 \times 2 \times 2$. Since $2 \times 2 \times 2 = 8$, the value of 2^3 is also 8.

$$2^3 = 2 \times 2 \times 2 = 8$$

Complete the table below using the first one as your example:

Exponent Form	Expanded Form	Standard Form
2^3	$2 \times 2 \times 2$	8
5^2		
	$3 \times 3 \times 3 \times 3$	
2^4		

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